

Company Profile

Guangzhou Potent Optotronic Technology Co., Ltd, a main producer of Holmium Laser and Internal Shock Wave Lithotripter etc. medical devices. Founded in Tianhe Technology and Software Base, Guangzhou, China in 2004. As a national Hi-tech company, Potent specialize in R&D, manufacturing and marketing.

Quality is the soul of products, since establishment, every product we produce is in strict accordance with national quality system and universal standards of the world. With years of R&D, now our laser has been approved by national SFDA, Europe CE. And our factory has been recognized by ISO 13485 standard. Meanwhile, we have a good cooperative relationship with many colleges and institutions, which provides a good guarantee in the sustainable development of the company.

Considerable after sale service is the source of further cooperation. As manufacturer with many technicians, we provides clients a forceful technical support and after-sale service. The products are only considered to be the carriers of the service for the clients. The sale is only the beginning of the service while satisfaction is the procedure instead of the consequence.

Always, we stick to the principle: "Only win-win cooperation is real cooperation." As producer of medical equipments for many years, we supply our customers:

- Retail --- Directly sell to hospital end users
- Distributorship --- For some region or country, a agent finish the sales
- OEM --- We as original producer, customer sell in his own brand
- Other --- Customer may has his /her own way of cooperation idea, we welcome you to talk with us

Together for healthier life!



Guangzhou Potent Optotronic Technology Co., Ltd



Office: Room 706-708, JinYan Building, No.120 YanLing Road, Guangzhou, China
Factory: 2nd floor, Huicheng Building Block B, Guangshan Second Road NO.602, Tianhe, Guangzhou
Tel: +86-20-37396970 **Fax:** +86-20-37396979
Website: <http://www.potent-medical.com>
Email: info@potent-medical.com



HZ-E Series

Holmium Laser

Super pulse do make difference





Holmium Laser Apparatus

Steady, Quiet, Accurate, Efficient, Convenient.

Steady

Built-in well-sealed cavity: it is against shock, humidity, dust, against interference of electromagnetic wave, which guarantees long time stable laser output and prolongs lifespan of the cavity.

Imported Core Components

Quiet

Sound-mute Environment friendly Water Cooling System

Accurate

0.1J accuracy adjustment, wide-range output power alternatives

Energy feedback of loop control system. Dynamic auto-monitor and duly compensate power change which ensures output power at setting value.

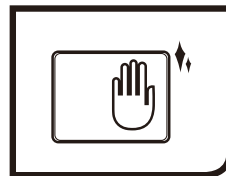
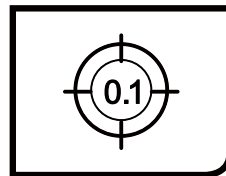
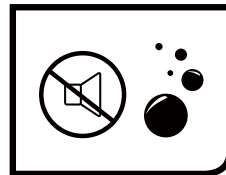
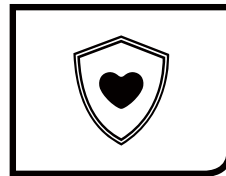
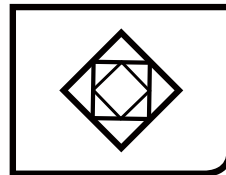
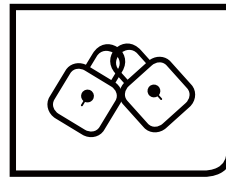
Efficient

Steady and high energy output , which shortens operation time and increases surgery efficiency.

Convenient

Color touch LCD , easy manipulating interface

Clear direction light, blue and adjustable

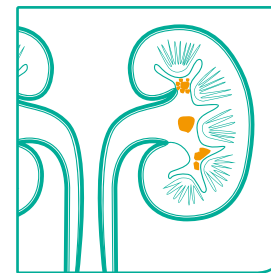


Main principle of holmium laser

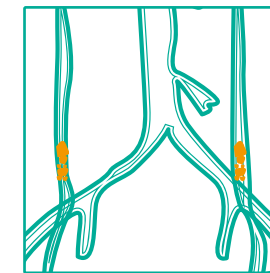
Holmium Laser wave length is 2.1 μm , at the peak of water absorption. The laser energy can be highly absorbed by water in tissue and calculus. Through small evaporation explosion in stones and parenchyma , it can shatter stones and conduct tissue incision. As the penetration depth of holmium laser in tissue is less than 0.4mm, mistaken incision and perforation or other complications are avoided, which assures operation safety. Holmium laser could be widely used in urinary, dermatology, gynecology, gastroenterology, ENT .etc.



Clinical applications in urology



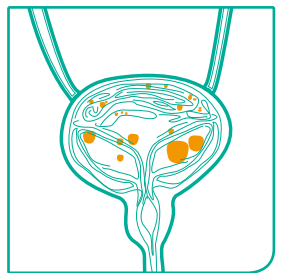
Kidney calculi, parenchyma resection



Urethral calculi, ureter and urethra stricture resection



Polypus swathed stones, polypus resection



Bladder stones, bladder tumors



Techniques parameters

Holmium Laser Therapeutic Apparatus Specifications					
Model	30W	40W	60W	70W	80W
Output power	2.5-30W	2.5-40W	2.5-60W	2.5-70W	2.5-80W
Pulse energy	0.5-3.0J	0.5-4.0J	0.5-4.0J	0.5-4.0J	0.5-4.5J
Repetition rate	5-20Hz	5-20Hz	4-40Hz	4-40Hz	4-40Hz
Wave length	2100nm				
Aiming beam	532nm Green, Optional 635nm Red				
Optical fiber	550micron reusable, Optional 800micron and 1000micron and 365micron				
Cooling system	Built-in water cooling system				
Dimensions	83×39×90cm	89×45×90cm	89×45×105cm		
Weight	110kg	135KG	170KG		
Power supply	AC 220V-240V/50Hz-60Hz, Single phase				